

ABSTRACT

Setyowati, R. (2019). Use of Learning Model MURDER (Mood, Understand, Recall, Digest, Expand, Review) of the Mathematical Connections Ability Students and Self-confidence.

Mathematical connection skills and self-confidence are needed by students in understanding mathematics. Students who have mathematical connection skills easily know the importance of mathematics, especially in relation to everyday life. In addition, students who have positive self-confidence can easily express their opinions. In studying mathematics students experience many problems, mathematical connection skills are still relatively low. One alternative learning model that can improve mathematical connection skills and student self-confidence is the MURDER learning model. The objectives of this study are: (1) to find out whether the mathematical connection ability of students who learn through the MURDER learning model is better than the connection ability of students who learn to use conventional models; (2) knowing the positive self-confidence of students who received MURDER learning; (3) find out whether there is a correlation between mathematical connection skills and the attitudes of students who get the MURDER learning model. Based on the method this research is a quasi-experimental study. The population in this study were all students in class X of SMA 16 Bandung and the sample was students of class X MIA 1 and class X MIA 3. The data analysis techniques used independent sample t-test and Pearson test with the help of SPSS 20.0 for Windows. Based on the analysis of research data, conclusions were obtained: (1) the improvement of mathematical connection skills of students who got the MURDER learning model was better than students who got the expository learning model; (2) positive student self-confidence in the use of MURDER learning models in mathematics learning; (3) There is a positive correlation between mathematical connection skills and student attitudes. Therefore, the MURDER learning model can be used as an alternative for teachers in carrying out learning to create a pleasant learning atmosphere.

Keywords: *MURDER Learning Model (Mood, Understand, Recall, Digest, Expand, Review), Mathematical Connection Ability, Self-confidence*